

IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made.

Please amend the claims as follows.

1. **(Currently amended)** An enterprise optimized hand-off control wireless code division multiple access, CDMA, communication system, comprising:

a local area network, LAN, having an ethernet communication back-bone;

a plurality of CDMA wireless base stations coupled to said ethernet communication back-bone;

a plurality of extended antenna units coupled to said CDMA wireless base ~~station~~ **stations**;

a communication path coupled to said ethernet communication back-bone;

a signal distribution concentration unit coupled to said base ~~station~~ **stations**;

a delay circuit unit coupled to said antenna ~~unit~~ **units**, the delay circuit unit including a plurality of delay elements for delaying signals transmitted via the communication path to external wireless communication devices within the enterprise wireless communication system.

2. **(Canceled)**

3. **(Currently amended)** The system of claim 1, wherein said delay circuit unit comprises a signal transmit distribution subsystem unit coupled to distribute communication ~~signals~~ **signal** received by the delay circuit unit within the enterprise wireless communication system to said extended antenna units.

4. **(Currently amended)** The system of claim 1, wherein said delay circuit unit further comprises a signal receive concentration subsystem coupled to receive communication signals generated by communication devices within the enterprise wireless communication system, said **signal** receive concentration subsystem transmitting said communication signals.

5. **(Currently amended)** The system of claim 3, wherein said signal transmit distribution subsystem comprises a plurality of signal transmit delay elements coupled to a signal dividing unit.

6. **(Currently amended)** The system of Claim 4, wherein said signal receive concentration subsystem comprises a plurality of signal receive delay elements coupled to a signal combining unit.

7. **(Currently amended)** The system of Claim 1, wherein said CDMA wireless base stations include a user location determination logic for determining a location of a mobile communication user within the enterprise communication system.

8. **(Original)** The system of Claim 5, wherein said delay circuit unit further comprises delay signal strength detection logic for determining which delayed signal received by the delay circuit unit must be transmitted to a receiving target mobile communication device within the enterprise communication system.

9. **(Previously presented)** A wireless base station comprising:
- a sectorized base station controller operable to control communication between the base station and a mobile communication unit within an identified geographical sector within a building;
 - an extended antenna unit;
 - a signal distribution concentration unit including handoff control logic, the handoff control logic operable to:
 - receive a handoff request from the mobile communication unit;
 - execute a handoff between the base station and a macro system, in response to the handoff request, if the mobile unit is located within a designated handoff transition area within the identified geographical sector; and
 - deny the handoff request if the mobile communication is not located within the designated handoff transition area; and
 - one or more delay element units.
10. **(Original)** The base station of claim 9, wherein said delay element units are daisy-chained to said extended antenna unit.
11. **(Original)** The base station of claim 9, wherein said delay element units are star-chained to said extended antenna unit.
12. **(Canceled)**
13. **(Canceled)**
14. **(Currently amended)** The base station of claim 9, wherein said signal distribution concentration unit further comprises a pilot strength measurement message adaptable for reporting timely handoffs between the base station and a macro system.

15. **(Previously presented)** An enterprise wireless communication system, comprising:

- a plurality of base stations;
- a plurality of antennas distributed in predetermined regions within the enterprise system;
- a plurality of delay elements coupled to said plurality of base stations;
- a plurality of mobile communication units; and
- a designated handoff transition region for enabling the mobile communication units to communicate with an external public communication system; and

wherein the plurality of base stations are operable to deny handoff requests from mobile communication units not located within the designated handoff transition region.

16. **(Original)** The system of claim 15, wherein the base stations comprise location identification logic for identifying the location of each of the mobile communication units within the enterprise system.

17. **(Original)** The system of claim 15, wherein said base stations further comprise time delay detection logic for detecting the duration of time delays of the delay elements.

18. **(Original)** The system of claim 15, wherein said delay elements are inserted into a communication path between said base stations and said mobile communication units.

19. **(Original)** The system of claim 15, wherein said base stations are coupled to receive a combined code division multiple access (CDMA) signal received from multiple CDMA signals transmitted from the mobile communication units via said antennas.

20. **(Original)** The system of claim 15, wherein said handoff requests between the mobile communication units and the base stations can only occur in said handoff transition region.

21. **(Previously presented)** A method of providing communication service comprising:

receiving a handoff request from a mobile communication unit communicating on a first network;

determining, in response to the handoff request, whether the mobile communication unit is located within a designated handoff transition area;

executing a handoff, between the first network and a second network, of communication with the mobile communication unit, if the mobile communication unit is located within the designated handoff transition area; and

denying the handoff request if the mobile communication is not located within the designated handoff transition area.

22. **(Previously presented)** The method of Claim 21, further comprising determining a location of the mobile communication unit.

23. **(Previously presented)** The method of Claim 21, wherein determining the location of the mobile communication unit comprises determining the location of the mobile communication unit based on a delay associated with communication the mobile communication unit.

24. **(Previously presented)** The method of Claim 21, wherein receiving the handoff request further comprises receiving the handoff request from the mobile communication unit communicating on a private mobile communication network, and wherein executing the handoff further comprises executing the handoff between the private mobile communication network and a public mobile communication network, if the mobile communication unit is located within the designated handoff transition area.

25. **(Previously presented)** The method of Claim 24, wherein receiving the handoff request further comprises receiving the handoff request from the mobile communication unit communicating on an in-building enterprise communication network.

26. **(Previously presented)** Logic embedded in computer-readable media and operable when executed to perform the steps of:

receiving a handoff request from a mobile communication unit communicating on a first network;

determining, in response to the handoff request, whether the mobile communication unit is located within a designated handoff transition area;

executing a handoff, between the first network and a second network, of communication with the mobile communication unit, if the mobile communication unit is located within the designated handoff transition area; and

denying the handoff request if the mobile communication is not located within the designated handoff transition area.

27. **(Previously presented)** The logic of Claim 26, wherein the logic is further operable to determine a location of the mobile communication unit.

28. **(Previously presented)** The logic of Claim 26, wherein the logic is further operable to determine the location of the mobile communication unit by determining the location of the mobile communication unit based on a delay associated with communication the mobile communication unit.

29. **(Previously presented)** The logic of Claim 26, wherein the logic is further operable to receive the handoff request by receiving the handoff request from the mobile communication unit communicating on a private mobile communication network, and wherein the logic is further operable to execute the handoff by executing the handoff between the private mobile communication network and a public mobile communication network, if the mobile communication unit is located within the designated handoff transition area.

30. **(Previously presented)** The logic of Claim 29, wherein the logic is further operable to receive the handoff request by receiving the handoff request from the mobile communication unit communicating on an in-building enterprise communication network.

31. **(Previously presented)** A system for providing mobile communication service, comprising:

means for receiving a handoff request from a mobile communication unit communicating on a first network;

means for determining, in response to the handoff request, whether the mobile communication unit is located within a designated handoff transition area;

means for executing a handoff, between the first network and a second network, of communication with the mobile communication unit, if the mobile communication unit is located within the designated handoff transition area; and

means for denying the handoff request if the mobile communication is not located within the designated handoff transition area.